

ABSTRACT

A method of quantifying a substrate, by which the substrate contained in various samples can be conveniently and quickly quantified without resort to any troublesome pretreatments, and a biosensor. More particularly speaking, a method of quantifying a substrate in a sample by using an electrode system made of electrically conductive materials and a reaction reagent comprising at least a dehydrogenase, a coenzyme, an electron mediator and a tetrazolium salt, which comprises performing an enzyme reaction and a redox reaction between the reaction reagent and the substrate in the sample, and detecting a formazan formed as the final reaction product by using the electrode system and a biosensor with the use of the same are provided.